

U.S. Robotics™

Model 9106

SureConnect™

ADSL Wireless Gateway



Features and Benefits

Wireless DSL Internet access for easily networking multiple users in any home or small office.



Integrated 802.11g Wireless Access Point

Connect your PCs and other 802.11g or 802.11b devices wirelessly to the Internet and other network resources.



Built-in 4-port switch

An integrated 4-port Ethernet switch makes it easy to get multiple users online*.



Easily expand

Supports up to 253 users via Ethernet (with additional switches) or wireless connections†.



Superior ADSL performance

Includes S=1/2 Technology for speeds up to 12 Mbps‡.



Easy setup and operation

User-friendly, wizard-based software provides easy setup and trouble-free operation. The Web-based diagnostics and connection monitoring software sets a new standard for convenience and easy of use.

Broad operating system support

Ethernet compatibility ensures operation with any operating system that supports an Ethernet connection with an IP stack§.

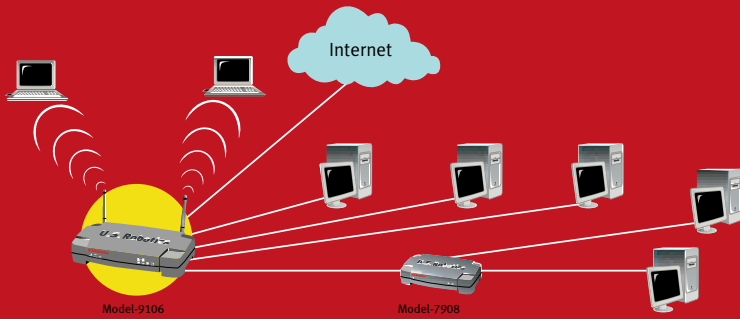
Industry compatibility

Meets or exceeds key industry standards for performance and compatibility. Supports TR-48, UR-2, and other performance standards for DSLAM interoperability.

Ready. Set. Connect.™

Broadband

Integrated office solution

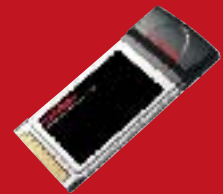


Total ADSL solution – U.S. Robotics offers a complete line of high-speed *SureConnect* ADSL modems and routers, Ethernet-based networking products, and our new 802.11g Wireless Turbo family of products. U.S. Robotics has everything you need for a complete, integrated ADSL solution.



802.11g Wireless Turbo Multi-Function Access Point – Model 5450

- Ideal for bridging wired and wireless networks
- Includes multiple operational modes for a customizable solution



802.11g Wireless Turbo PC Card – Model 5410

- Ideal for laptop computers
- Allows for full wireless mobility



8-Port 10/100 Ethernet Switch – Model 7908

- Ideal for small offices – robust and reliable performance
- Unique stackable case design minimizes desktop clutter



Secure Storage Router Pro – Model 8200

- Ideal for secure data management in any small business
- Offers robust features and functionality in an upgradable, customizable platform
- Includes two USB 2.0 ports and one Firewire port for network attachable storage

ADSL Standards and Specifications

- S=1/2 for up to 12 Mbps
- Supports full-rate G.DMT (ITU-T G.992.1) and T1.413 Issue 2 ADSL: up to 8 Mbps downstream and up to 1 Mbps upstream†
- Supports G.lite (ITU-T G.992.2) ADSL: up to 1.5 Mbps downstream and up to 512 Kbps upstream‡
- Supports DSL handshaking (ITU-T G.994.1)
- RFC 2516 PPP over Ethernet (Client)
- RFC 2364 PPP over ATM
- RFC 2684 (formerly 1483) Multi-protocol over ATM (Bridged and Routed)

Router Features

- IP (RFC791) v4, UDP, TCP, and ICMP
- NAT/PAT
- ARP
- Static Routing, Dynamic Routing
- DNS Relay/Client, DNS (primary & secondary support)
- DHCP client/server
- IGMP Proxy
- TCP/IP with RIP v1 and v2
- NetBios
- Universal Plug and Play (UPnP)
- IP Extension (Half Bridge)

Firewall and Security Features

- SPI – Stateful Packet Inspection
- Denial of Service
- IP Filtering – Destination for address or port and by IP protocol (outbound only)
- Syslog – Reporting of firewall events
- VPN Traversal (Pass-through IPsec, PPTP, L2TP)
- 64/128-bit Wired Equivalent Privacy (WEP) Data Encryption
- Hardware AES supporting CCM and OCB, WPA, 802.1x and 802.11i
- Password protected configuration access
- DMZ, virtual server support
- SSID Broadcast Disabling

Bridging Features

- Transparent bridging RFC1483 including Spanning tree protocol (IEEE 802.1D)

ATM Attributes

- AAL Type: AAL 5
- ATM Service Class: UBR, CBR, nrt-VBR, rt-VBR
- Virtual Circuit Support: 8 PVCs
- End-to-end loopback: OAM
- ATM pacing, policing (QOS)
- Traffic Management 4.1

Management Features

- Telnet server (menu driven interface)
- HTTP Server (local & remote Web-based GUI)
- TFTP Remote Upgrade
- SNMP V1 and V2
- Ping
- Remote Management Access (including configuration, upgrades, and access to management Web server)

Wireless Specifications

- RF Output Power: Fixed 30 mW (15 dBm Maximum)
- Receive Sensitivity: -82dBm @ 6Mbps, -65dBm @ 54Mbps (802.11g)
- Modulation Types: CCK, DQPSK, DBPSK and OFDM
- Data Rates: 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54 Mbps
- Antenna Type: Dual swivel dipole removable antennas with reverse polarity SMA connectors
- SmartRadio(tm) wireless echo reduction

Minimum System Requirements – Ethernet Port

- Any computer with an Ethernet 10/100 RJ-45 interface and OS that supports an IP stack
- Internet Explorer or Netscape Navigator 4.0 or later Web browser

Minimum System Requirements – Wireless Access

- 802.11g or 802.11b WiFi compatible PC/PCI cards and devices

Minimum System Requirements – SureConnect Installation CD-ROM

- Windows 95, Windows 98, Windows Me, Windows NT4.0, Windows 2000, or Windows XP
- 32 MB RAM and 10 MB hard disk space

Minimum System Requirements – ADSL Network

- ADSL and Internet service from your local telephone company or Internet Service Provider (ISP)

Interfaces/Connectors

- (4) RJ-45 10/100 Ethernet ports
- 2.4 Ghz Access Point (802.11g/802.11b)
- ADSL port (RJ-11)
- AC into power supply

LEDs/Indicators

- Power
- ADSL
- Internet IP
- Wireless LAN
- Ethernet 1, 2, 3, 4

Environmental Specifications

- MTBF: 266,753 Hours@40 degrees C
- Input Power requirement: 16VAC, 1.2A
- Temperature conditions: 32 - 122° F (0 - 50° C)
- Humidity: 5% to 95% RH non-condensing

Regulatory Agency Approvals

- CE (T) approved

Package Contents

- U.S. Robotics SureConnect ADSL Gateway
- RJ-11 Phone Cord (4 wire)
- Power Adapter and Cord
- Ethernet Cable (6 ft/1.83 m)
- Quick Installation Guide
- U.S. Robotics SureConnect Installation CD-ROM
- Two antennas

Package Dimensions/Weight

- Length 11 in. (27.94 cm)
- Width 3.8 in. (9.66 cm)
- Height 8.9 in. (22.6 cm)
- Weight 48 oz (1.362 kg)

Product Dimensions/Weight

- Length 5.5 in. (13.97 cm)
- Width 9.2 in. (23.36 cm)
- Height 1.6 in. (4.06 cm)
- Weight 16 oz (0.454 kg)

Warranty

- Two-year limited manufacturer warranty from date of purchase.

For details, see www.usr.com

Model Number

- 9106 ADSL Gateway



* Some Internet Service Providers (ISPs) may have additional requirements, may not allow Internet sharing, and/or may charge additional service fees.

† Designed to host 4 Ethernet devices: capable of hosting up to 253 devices with additional hubs. See www.usr.com for U.S. Robotics networking products.

‡ Actual speeds may vary. Speed obtained is determined by the provisioned speed of broadband Internet Service Provider (ISP), loop length and quality, and other factors.

§ *SureConnect* Installation CD-ROM requires Windows 95, Windows 98, Windows Me, Windows NT4.0, Windows 2000, or windows XP.

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